

Courage to Soar			
2009 Mathematics			
Standards of Learning			
Virginia Mathematics			
Grade 3			
Activity/Lesson	State	Standards	
The Flight Timeline	VA	MA.3.3.17.a	Collect and organize data, using observations, measurements, surveys, or experiments
Flying a Styrofoam Plane	VA	MA.3.3.9.a	Measure length to the nearest 1/2-inch, inch, foot, yard, centimeter, and meter;
Flying a Styrofoam Plane	VA	MA.3.3.9.c	Measure weight/mass in ounces, pounds, grams, and kilograms; and
Looking for Answers:A research project	VA	MA.3.3.17.a	Collect and organize data, using observations, measurements, surveys, or experiments;
Controlling the Plane	VA	MA.3.3.17.b	Construct a line plot, a picture graph, or a bar graph to represent the data; and
Controlling the Plane	VA	MA.3.3.17.c	Read and interpret the data represented in line plots, bar graphs, and picture graphs and write a sentence analyzing the data.
Courage to Soar			
2009 Mathematics			
Standards of Learning			
Virginia Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
The Flight Timeline	VA	MA.4.4.14	The student will collect, organize, display, and interpret data from a variety of graphs.
Flying a Styrofoam Plane	VA	MA.4.4.6.a	Estimate and measure weight/mass and describe the results in U.S. Customary and metric units as appropriate; and
Flying a Styrofoam Plane	VA	MA.4.4.7.a	Estimate and measure length, and describe the result in both metric and U.S. Customary units; and
Flying a Styrofoam Plane	VA	MA.4.4.8.a	Estimate and measure liquid volume and describe the results in U.S. Customary units; and
Looking for Answers:A research project	VA	MA.4.4.14	The student will collect, organize, display, and interpret data from a variety of graphs.
Courage to Soar			
2009 Mathematics			
Standards of Learning			
Virginia Mathematics			
Grade 5			
Activity/Lesson	State	Standards	

Soaring Higher	VA	MA.5.5.15	The student, given a problem situation, will collect, organize, and interpret data in a variety of forms, using stem-and-leaf plots and line graphs.
Flying a Styrofoam Plane	VA	MA.5.5.8.d	Estimate and then measure to solve problems, using U.S. Customary and metric units; and
Looking for Answers:A research project	VA	MA.5.5.15	The student, given a problem situation, will collect, organize, and interpret data in a variety of forms, using stem-and-leaf plots and line graphs.